

FIG. 1

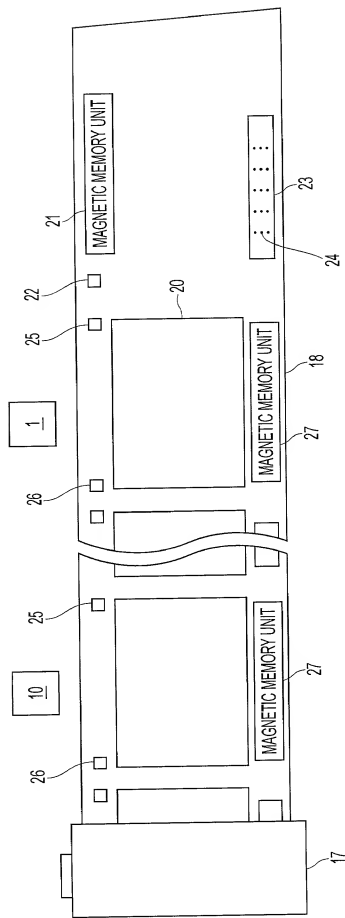


FIG. 2

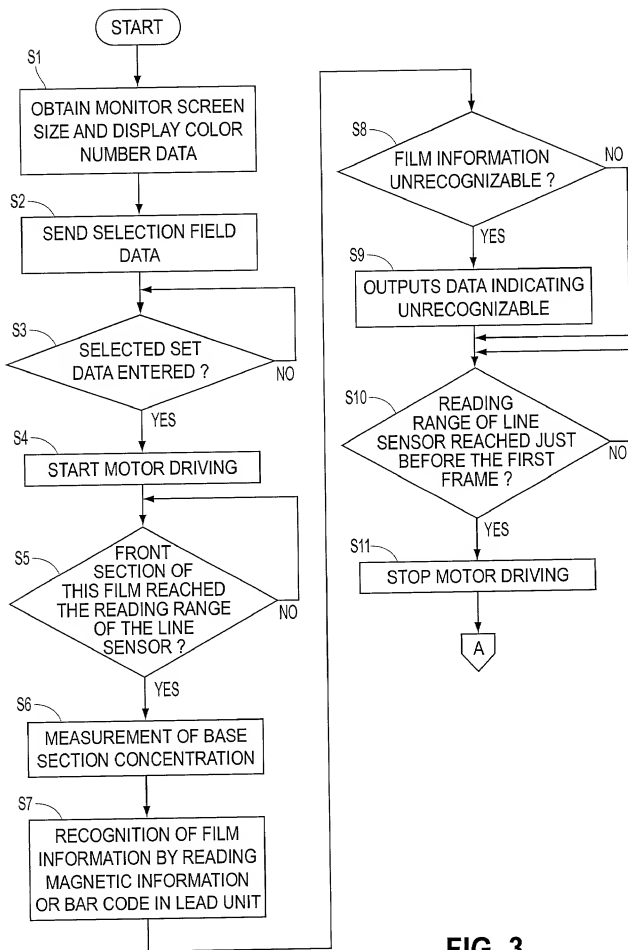
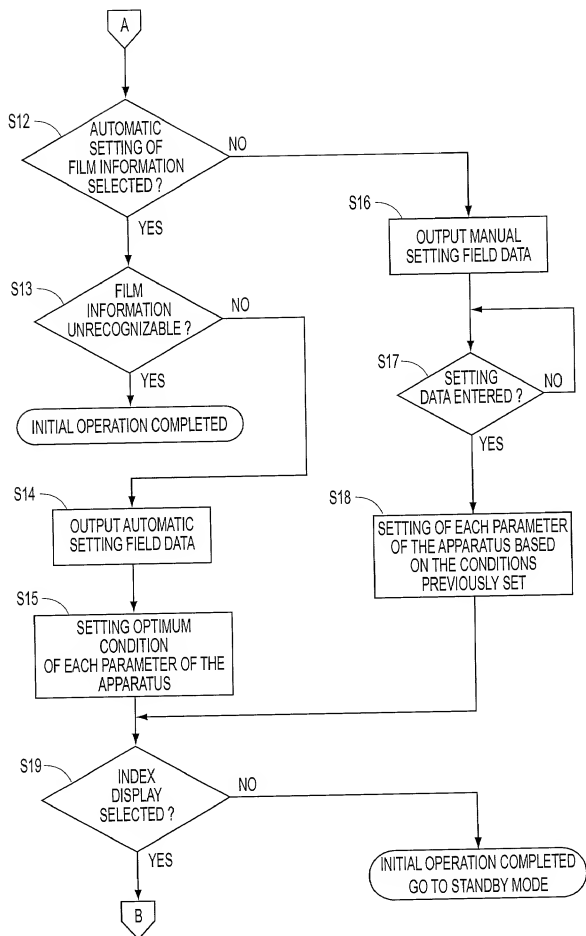


FIG. 3



**FIG. 4**

- FILM INFORMATION
- AUTOMATIC SETTING
- MANUAL SETTING
- INDEX DISPLAY

DISPLAY CONTENT ►

OK

CANCEL

**FIG. 5 (a)**

- FILM INFORMATION IS UNRECOGNIZABLE
- ENABLE MANUAL SETTINGS ?

YES

NO

**FIG. 5 (b)**

- FILM TYPE: COLOR NEGATIVE
- FILM MODEL: COMPANY A XXX4000
- TOTAL NUMBER OF FRAMES: 40

**FIG. 6**

- FILM TYPE: COLOR NEGATIVE
- FILM MODEL: COMPANY A XXX4000
- TOTAL NUMBER OF FRAMES: 40

OK

CANCEL

**FIG. 7**

- ☐ MAGNETIC INFORMATION ONLY DISPLAY
- ☐ IMAGE ONLY DISPLAY

# 1. COMMON CHOICE

## 1 - 1 FRAME(S) TO BE DISPLAYED

- ☐ ALL THE FRAMES
- ☐ ALL THE FRAMES THAT ARE SHOT
- ☐ H SIZE ONLY
- ☐ C SIZE ONLY
- ☐ P SIZE ONLY
- ☐ HORIZONTAL POSITION ONLY
- ☐ VERTICAL POSITION ONLY
- ☐ SELECTION FRAME (SELECTS FROM FRAME TABLE)

| FRAME TABLE |    |    |    |    |    |    |    |    |    |
|-------------|----|----|----|----|----|----|----|----|----|
| 1           | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11          | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21          | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31          | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

## FRAMES SELECTED

1, 2, 3, 4, 5, 6, 7, .....

## 1 - 2 ORDER OF DISPLAY

- ☐ FROM THE FIRST TO THE LAST FRAME IN ORDER
- ☐ FROM THE LAST TO THE FIRST FRAME IN REVERSE ORDER
- ☐ IN THE ORDER OF SELECTION FROM THE FRAME TABLE
- ☐ IN THE ORDER OF PRINT SIZE

1.  2.  3.

- ☐ IN THE ORDER OF TITLE

## 1 - 3 VERTICAL TO HORIZONTAL RATIO OF DISPLAY

VERTICAL  FRAMES HORIZONTAL  FRAMES

FIG. 8

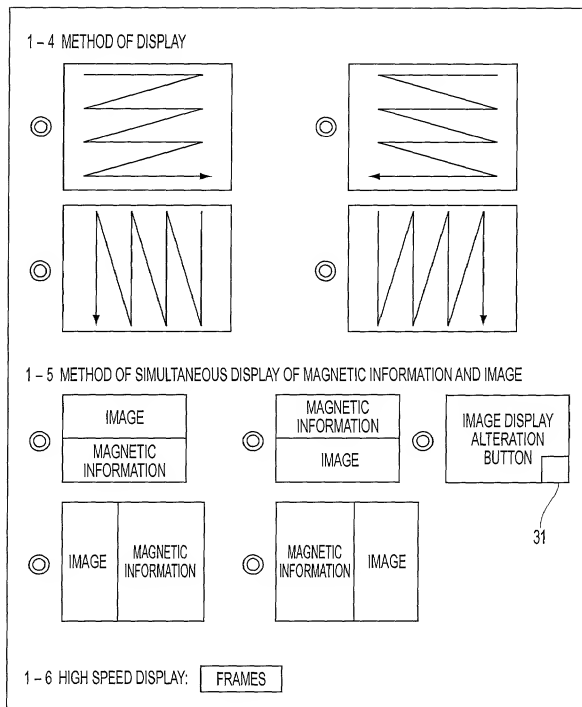


FIG. 9



2. DESIGNATED FRAME MAGNETIC INFORMATION

2 - 1 DISPLAY INFORMATION

☐ DISPLAY ALL

☐ SELECT AND DISPLAY ►

3. DESIGNATED FRAME IMAGE

3 - 1 DISPLAY RANGE

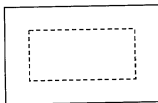
☐ ALL RANGE

☐ DESIGNATED PRINT SIZE

☐ H SIZE

☐ C SIZE

☐ P SIZE



X1 :  PIXEL  
Y1 :  PIXEL

X2 :  PIXEL  
Y2 :  PIXEL

3 - 2 RESOLUTION OF ONE FRAME:  DPI

3 - 3 READING METHOD

☐ HIGH SPEED READING

☐ HIGH QUALITY READING

3 - 4 COLOR DECOMPOSITION

☐ RGB DECOMPOSITION DISPLAY

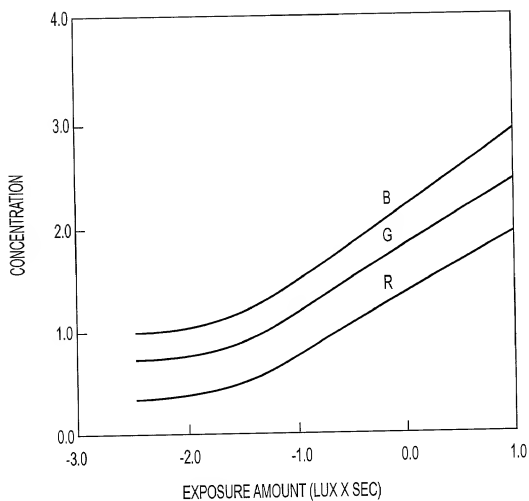
☐ CMY DECOMPOSITION DISPLAY

OK

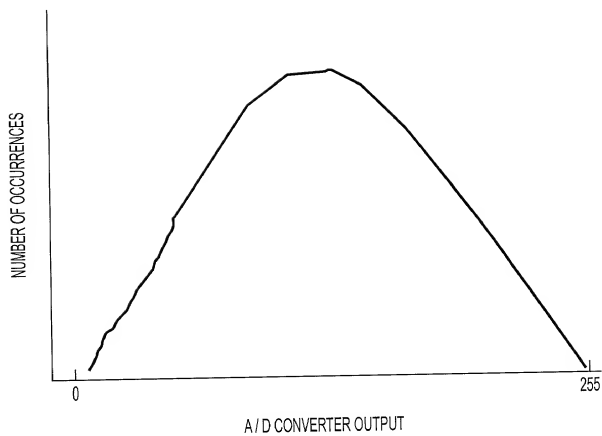
CANCEL

INITIAL  
SETTING

FIG. 10



**FIG. 11**



**FIG. 12**

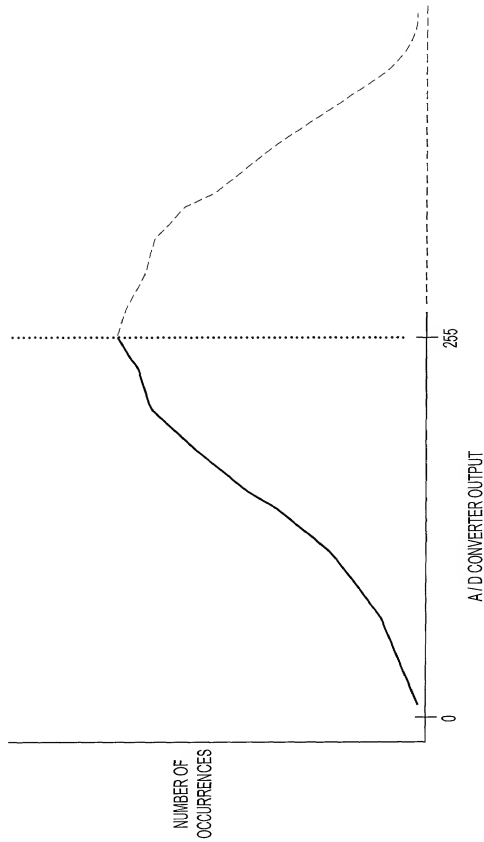
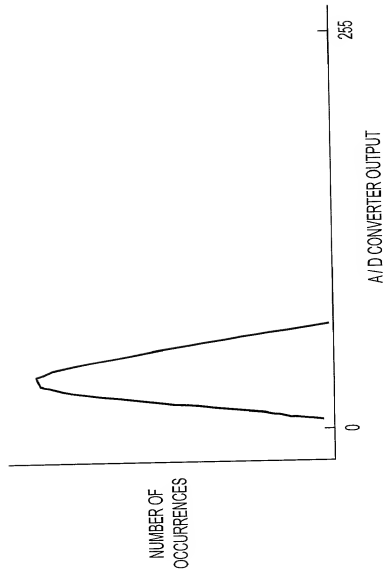


FIG. 13



**FIG. 14**

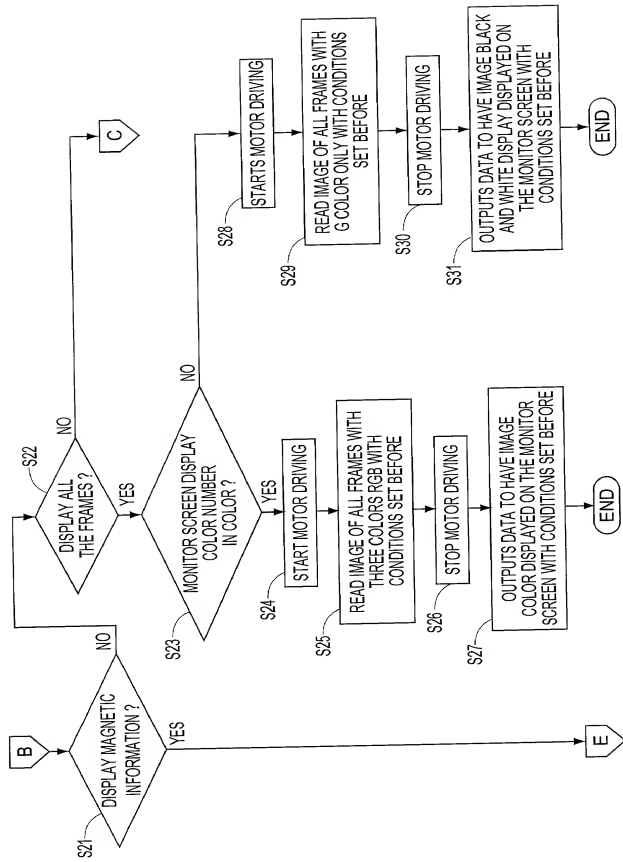


FIG. 15

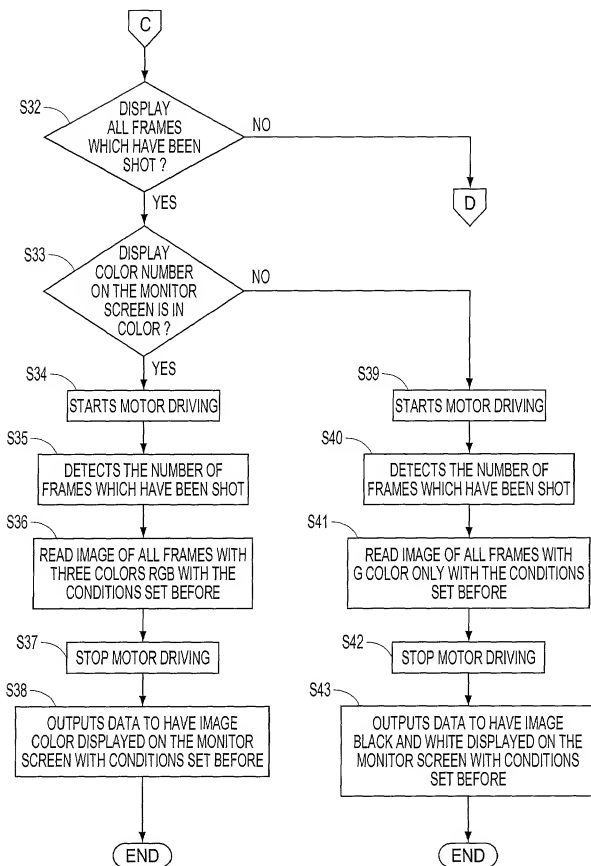
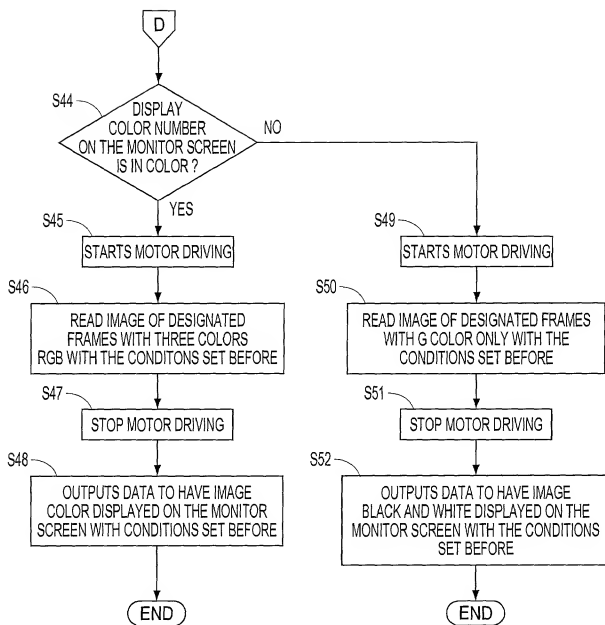
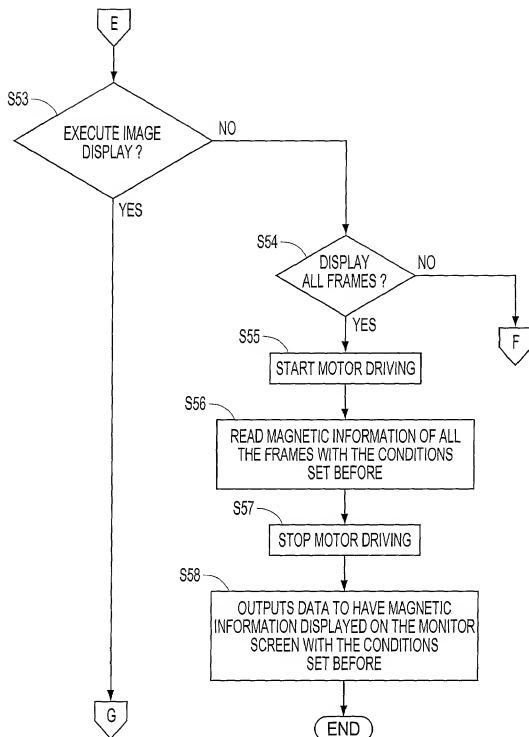


FIG. 16



**FIG. 17**





**FIG. 18**

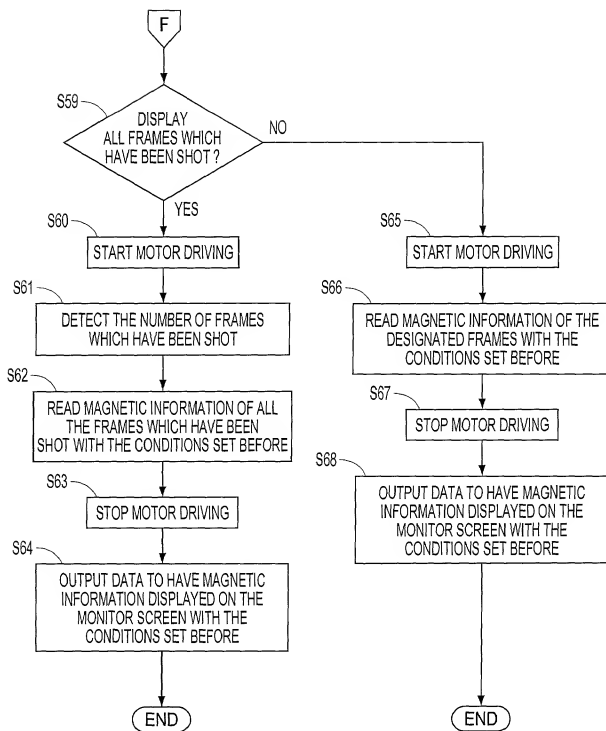


FIG. 19

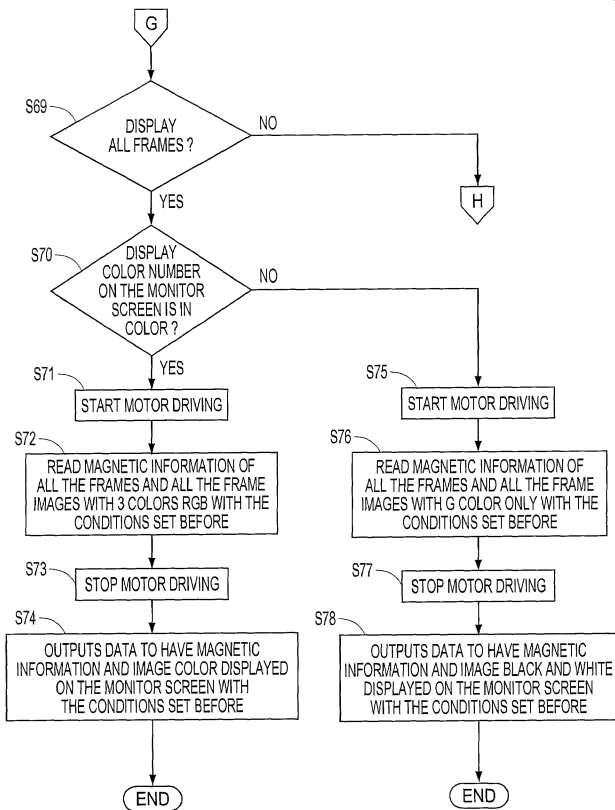


FIG. 20

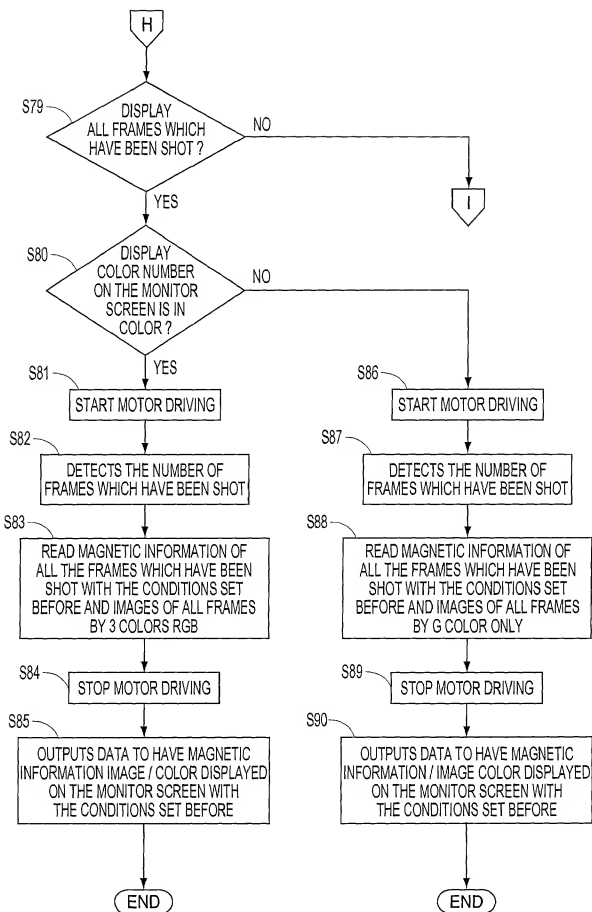


FIG. 21

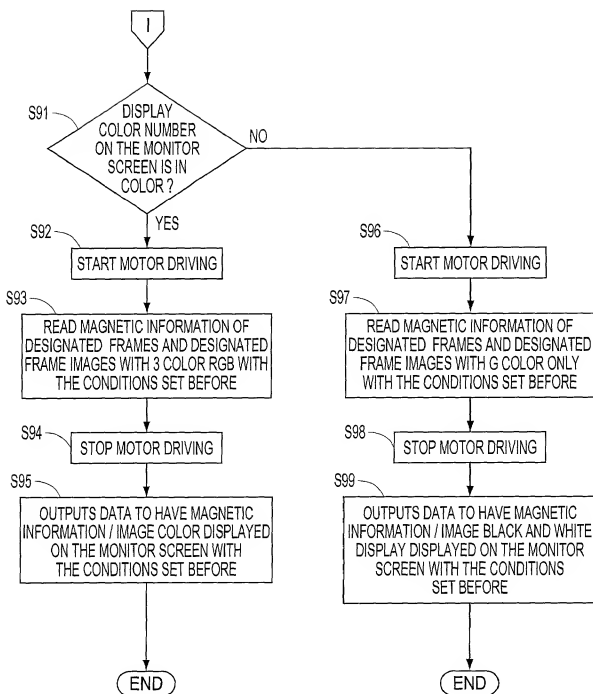
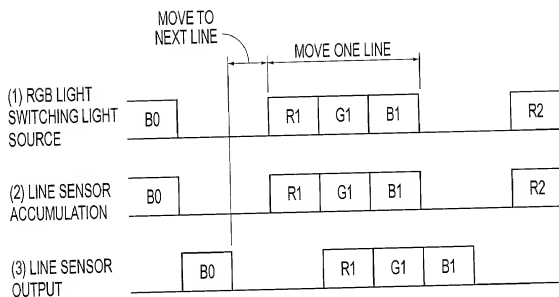
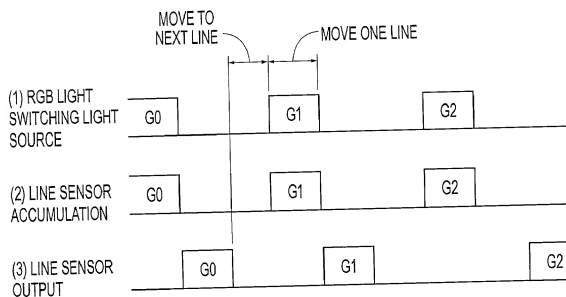


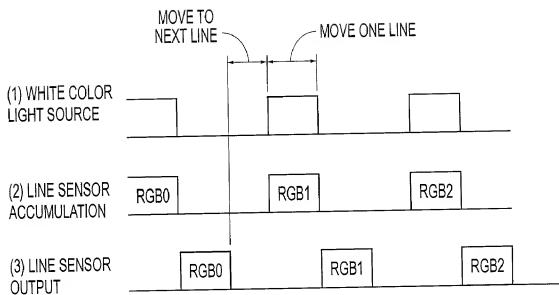
FIG. 22



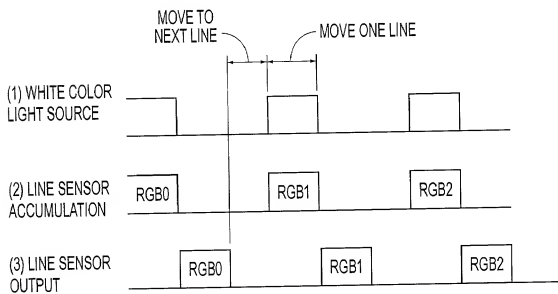
**FIG. 23 (a)**



**FIG. 23 (b)**



**FIG. 24 (a)**



**FIG. 24 (b)**

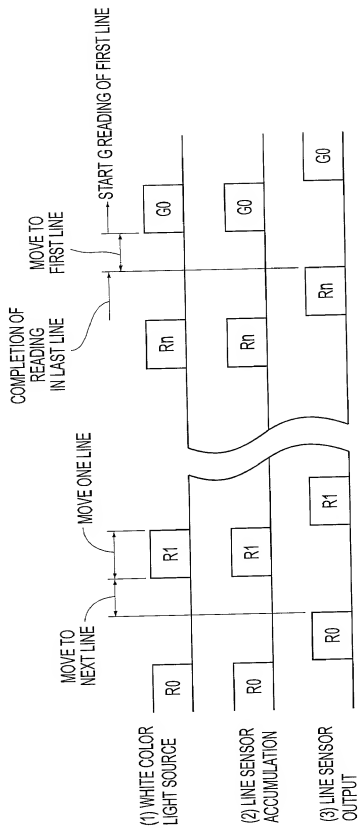
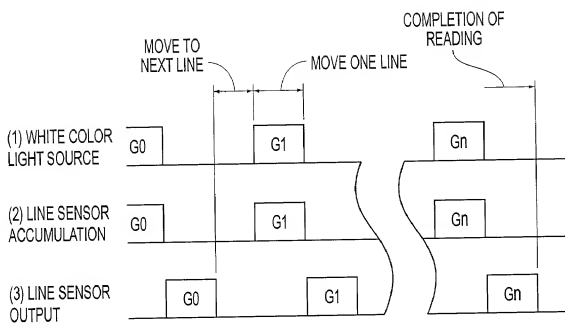
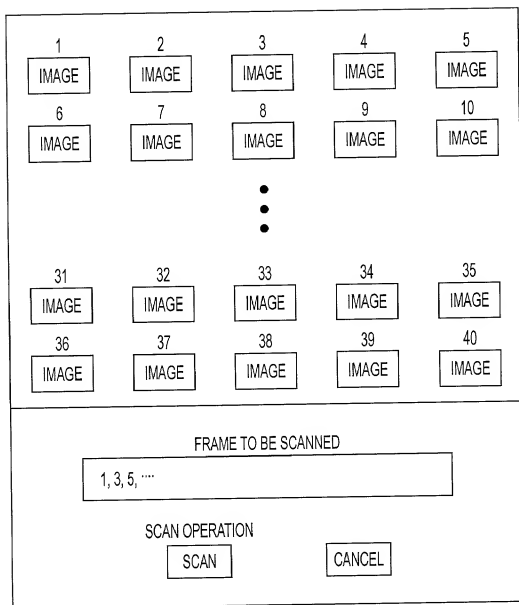


FIG. 25





**FIG. 26**



**FIG. 27**

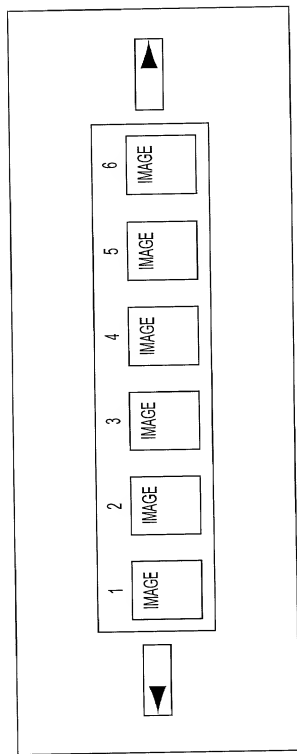


FIG. 28

|                               |                               |                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 1<br>MAGNETIC<br>INFORMATION  | 2<br>MAGNETIC<br>INFORMATION  | 3<br>MAGNETIC<br>INFORMATION  | 4<br>MAGNETIC<br>INFORMATION  | 5<br>MAGNETIC<br>INFORMATION  |
| 6<br>MAGNETIC<br>INFORMATION  | 7<br>MAGNETIC<br>INFORMATION  | 8<br>MAGNETIC<br>INFORMATION  | 9<br>MAGNETIC<br>INFORMATION  | 10<br>MAGNETIC<br>INFORMATION |
| ⋮                             |                               |                               |                               |                               |
| 31<br>MAGNETIC<br>INFORMATION | 32<br>MAGNETIC<br>INFORMATION | 33<br>MAGNETIC<br>INFORMATION | 34<br>MAGNETIC<br>INFORMATION | 35<br>MAGNETIC<br>INFORMATION |
| 36<br>MAGNETIC<br>INFORMATION | 37<br>MAGNETIC<br>INFORMATION | 38<br>MAGNETIC<br>INFORMATION | 39<br>MAGNETIC<br>INFORMATION | 40<br>MAGNETIC<br>INFORMATION |

FRAME TO BE SCANNED

1, 3, 5, ....

SCAN OPERATION

SCAN

CANCEL

MAGNETIC INFORMATION ALTERATION

KEEP

CANCEL

**FIG. 29**

## MAGNETIC INFORMATION

TITLE: ATHLETIC FIELD DAM

DATE SHOT: OCTOBER 10, 1996

SHOOTING CONDITION: STROBE ON

EXPOSURE APPROPRIATE

REVERSED LIGHT

LIGHT SOURCE: FLUORESCENT LAMP

**FIG. 30**

|  |  |  |  |  |
|--|--|--|--|--|
| 1  | 2  | 3  | 4  | 5  |
| <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  |
| <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> |
| <div style="font-size: 2em; margin: 0 auto;">⋮</div>         |  |  |  |  |
| 36   | 37   | 38   | 39   | 40   |
| <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  | <div style="border: 1px solid black; padding: 2px;">I</div>  |
| <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> | <div style="border: 1px solid black; padding: 2px;">MI</div> |

FRAME TO BE SCANNED

1, 3, 5, ....

SCAN OPERATION

SCAN

CANCEL

MAGNETIC INFORMATION ALTERATION

KEEP

CANCEL

**FIG. 31**



IMAGE

MAGNETIC INFORMATION

TITLE: ATHLETIC FIELD DAM

DATE SHOT: OCTOBER 10, 1996

SHOOTING CONDITION: STROBE ON

EXPOSURE APPROPRIATE

REVERSED LIGHT: REVERSED LIGHT

LIGHT SOURCE: FLOURESCENT LAMP

**FIG. 32**

| MONITOR<br>SIZE | NUMBER OF<br>MONITOR DISPLAY<br>PIXELS | 6 FRAMES HORIZONTALLY<br>BY<br>7 FRAMES VERTICALLY | 7 FRAMES HORIZONTALLY<br>BY<br>6 FRAMES VERTICALLY |
|-----------------|--|--|--|
| 15 INCHES       | 640 X 480                              | 90 DPI   | 80 DPI   |
|                 | 800 X 600                              | 120 DPI  | 100 DPI  |
|                 | 1024 X 768                             | 140 DPI  | 120 DPI  |
|                 | 1152 X 864                             | 160 DPI  | 140 DPI  |
|                 | 1280 X1024                             | 180 DPI  | 160 DPI  |
|                 | 1600 X1200                             | 200 DPI  | 180 DPI  |
| 17 INCHES       | 640 X 480                              | 80 DPI   | 70 DPI   |
|                 | 800 X 600                              | 100 DPI  | 80 DPI   |
|                 | 1024 X 768                             | 120 DPI  | 100 DPI  |
|                 | 1152 X 864                             | 140 DPI  | 120 DPI  |
|                 | 1280 X1024                             | 160 DPI  | 140 DPI  |
|                 | 1600 X1200                             | 180 DPI  | 160 DPI  |
| 20 INCHES       | 640 X 480                              | 70 DPI   | 60 DPI   |
|                 | 800 X 600                              | 80 DPI   | 70 DPI   |
|                 | 1024 X 768                             | 100 DPI  | 80 DPI   |
|                 | 1152 X 864                             | 120 DPI  | 100 DPI  |
|                 | 1280 X1024                             | 140 DPI  | 120 DPI  |
|                 | 1600 X1200                             | 160 DPI  | 140 DPI  |

FIG. 33



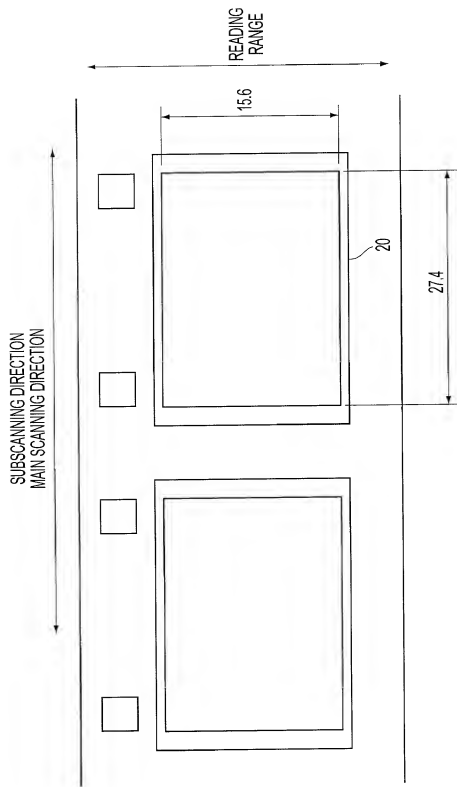


FIG. 34

### READING OPERATION

| RESOLUTION | LINE SENSOR USE PIXELS | STEPPING MOTOR<br>FEEDING AMOUNT<br>PER LINE |
|------------|------------------------|--|
| 4070 DPI   | ALL THE PIXELS         | 1 STEP                                       |
| 2035 DPI   | 1 EVERY OTHER PIXEL    | 2 STEPS                                      |
| 1356 DPI   | 2 EVERY TWO PIXELS     | 3 STEPS                                      |
| 1018 DPI   | 3 EVERY THREE PIXELS   | 4 STEPS                                      |
| 814 DPI    | 4 EVERY FOUR PIXELS    | 5 STEPS                                      |
| 678 DPI    | 5 EVERY FIVE PIXELS    | 6 STEPS                                      |

**FIG. 35**

### INTERPOLATION METHOD

A11 A12 A13 A14

B11 B12 B13

A21 A22 A23 A24

B21 B22 B23

A31 A32 A33 A34

**FIG. 36**